



Patent  
7272-132 / 10314101  
10/729,577

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

**Inventor: Sukeyuki SHINOTSUKA**

**Serial No.: 10/729,577**

**Filed:** December 3, 2003

**For: IMAGE SENSOR AND METHOD**

**Group Art Unit: 2614**

**Examiner:** Unknown

## TRANSMITTAL OF TRANSLATION

**MAIL STOP: Correspondence  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**Sir:**

Applicant submits herewith a substitute English translation of the International Preliminary Examination Report.

Respectfully submitted,

FULBRIGHT & JAWORSKI LLP

Dated: 12/16/04

By: Conrad R. Solum, Jr.  
Conrad R. Solum, Jr.  
Reg. No. 20,467

Customer No. 000167  
Deposit Account No. 50-0337  
Enclosure

**CERTIFICATE OF MAILING**  
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to Mail Stop: Correspondence, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit 12-22-2004

Sandra L. Carr  
Name of Person Mailing Paper  
*Sandra L. Carr*  
Signature of Person Mailing Paper

## PATENT COOPERATION TREATY

**PCT**  
**NOTIFICATION OF TRANSMITTAL**  
**OF COPIES OF TRANSLATION**  
**OF THE INTERNATIONAL PRELIMINARY**  
**EXAMINATION REPORT**

(PCT Rule 72.2)

From the INTERNATIONAL BUREAU

To:

TORII, Kiyoshi  
 25, Bentendori 2-chome, Naka-ku  
 Yokohama-shi, Kanagawa 231-0007  
 Japan

Date of mailing (day/month/year) 27 January 2004 (27.01.04)	
Applicant's or agent's file reference H1010505PCT	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/JP02/03481	International filing date (day/month/year) 08 April 2002 (08.04.02)
Applicant HONDA GIKEN KOGYO KABUSHIKI KAISHA et al	

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

**2. Transmittal of the copy of the translation to the elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

EP,CA,CN,KP,RO,US

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE,AG,AL,AM,AT,AU,AZ,BA,BB,BG,BR,BY,BZ,CH,CO,CR,CU,CZ,DE,DK,DM,DZ,EC,EE,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KR,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,MZ,NO,NZ,OM,PH,PL,PT,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TN,TR,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZM,ZW

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 338.70.10	Authorized officer  Emmanuel BERROD (Fax 338 7010)  Telephone No. (41-22) 338 8389
--	--

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference H1010505PCT	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/JP02/03481	International filing date (day/month/year) 08 April 2002 (08.04.02)	Priority date (day/month/year) 06 June 2001 (06.06.01)
International Patent Classification (IPC) or national classification and IPC H04N 5/335, H01L 27/146		
Applicant HONDA GIKEN KOGYO KABUSHIKI KAISHA		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 8 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 11 December 2002 (11.12.02)	Date of completion of this report 03 September 2003 (03.09.2003)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP02/03481

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
pages \_\_\_\_\_ 1-3, 5, 7, 9 \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_ 4, 4/1, 6, 8, 10, 11 \_\_\_\_\_, filed with the letter of \_\_\_\_\_ 04 June 2003 (04.06.2003)
- ☒ the claims:  
pages \_\_\_\_\_ 4-8, 10-14 \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement under Article 19  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_ 1, 2, 9 \_\_\_\_\_, filed with the letter of \_\_\_\_\_ 04 June 2003 (04.06.2003)
- ☒ the drawings:  
pages \_\_\_\_\_ 1-17 \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☒ the claims, Nos. \_\_\_\_\_ 3 \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

 International application No.  
 PCT/JP 02/03481

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	1, 2, 4-14	YES
	Claims		NO
Inventive step (IS)	Claims	1, 2, 4-14	YES
	Claims		NO
Industrial applicability (IA)	Claims	1, 2, 4-14	YES
	Claims		NO

## 2. Citations and explanations

Document 1: JP 9-93492 A (Nippon Hoso Kyokai), 4 April 1997 (04.04.97), entire text, Fig. 1-7

Document 2: JP 2000-329616 A (Honda Motor Co., Ltd.), 30 November 2000 (30.11.00), entire text, Fig. 1-6

Document 3: JP 2000-115642 A (Honda Motor Co., Ltd.), 21 April 2000 (21.04.00), entire text, Fig. 1-9

## Claims 1 to 7.

Documents 1 to 3 show the general state of the art in this technical field, but none of the documents cited in the international search report discloses or suggests the provision of a bias circuit on a system wherein a first scanning means reads each pixel in a block.

## Claims 8 to 14

Documents 1 to 3 show the general state of the art in this technical field, but none of the documents cited in the international search report discloses or suggests the provision of a buffering means for the sensor signals for each pixel in a block read by a first scanning means.